The Mathematical Intelligencer Index

Volume 11

Authors

Artmann, Benno. Review of *Das mittelalterliche Zahlenkampfspiel*, by Arno Borst and *Rhythmomachia*, by Detlef Illmer. (3) 77–79.

Betsch, Gerhard. The Kepler Museum and Kepler Monument. (1) 36.

Boas, R. P. When is a C^∞ Function Analytic? (4) 34–37.

Bölling, Reinhard. A Birthday Present. (4) 20–25.

Browder, Felix E. Stone Age of Mathematics at the Midway. (3) 22–24.

Ciesielski, Krzysztof. How Good is Lebesgue Measure? (2) 54–58.

Coleman, A. J. The Greatest Mathematical Paper of All Time. (3) 29–38.

Dale, A. I. Thomas Bayes: A Memorial. (3) 18–19.

Davis, Chandler. Reviews. (1) 63–71; (2) 66–71; (3) 73–79; (4) 61–70.

Davitt, Richard M. William Marshall Bullitt and his Amazing Mathematical Collection. (4) 26–33.

DeTurck, Dennis. Sphere and Torus Music. (3) 40–41.

Devaney, Robert L. Film and Video as a Tool in Mathematical Research. (2) 33–38.

Dimitric, Radoslava, and Goldsmith, Brendan. Sir William Rowan Hamilton. (2) 29–30.

Effros, Edward G. Why the Circle is Connected: An Introduction to Quantized Topology. (1) 27–34.

Formanek, Edward. Polynomial Identities and the Cayley-Hamilton Theorem. (1) 37–39.

Franks, John. Comments on the Responses to my Review of *Chaos*. (3) 12–13.

Franks, John. Review of *Chaos: Making a New Science*, by James Gleick. (1) 65–69.

Fraser, Craig G. Review of *A Source Book in Mathematics, 1200–1800*, by Dirk J. Struik. (4) 68–70.

Friedlander, Susan, and Powell, Anton. The Mathematical Miller of Nottingham. (4) 38–40.

Gale, David. The Truth and Nothing But the Truth. (3) 62–67.

Glass, A. M. W. Existence Theorems in Mathematics. (1) 56–62.

Gleick, James. James Gleick Replies. (3) 8–9.

Goldsmith, Brendan, and Radoslava, Dimitric. See Dimitric, Radoslava, and Goldsmith, Brendan.

Gordon, Carolyn S. When You Can't Hear the Shape of a Manifold. (3) 39–47.

Hildebrandt, Stefan (Translated by A. Shenitzer). The Calculus of Variations Today. (4) 50–60.

Hirsch, Morris W. Chaos, Rigor, and Hype. (3) 6–8.

Huneke, Craig. An Algebraist Commuting in Berkeley. (1) 40–52.

Krantz, Steven G. Fractal Geometry. (4) 12–16.

Krantz, Steven G. Response to Mandelbrot's Rebuttal. (4)

Lorch, Lee. Review of *The Polya Picture Album: Encounters of a Mathematician*, by George Pólya. (2) 70–71.

Lorimer, Peter. Towards a 3-Dimensional Model of the 120-Cell. (3) 61.

Mac Lane, Saunders. Paradise Lost: The Troubled Government Support of Science. (2) 10–15.

Mandelbrot, Benoit B. Chaos, Bourbaki, and Poincaré. (3) 10–12.

Mandelbrot, Benoit B. Some "Facts" that Evaporate upon Examination. (4) 17–19.

Manin, Yu. I. Strings. (2) 59–65.

Mehrtens, H. (Translated by Victoria M. Kingsbury). The *Gleichschaltung* of Mathematical Societies in Nazi Germany. (3) 48–60.

Melter, Robert A., and Rosenfeld, Azriel. See Rosenfeld, Azriel, and Melter, Robert A.

Osserman, Robert. Review of *Descartes' Dream: The World According to Mathematics*, by Philip J. Davis and Reuben Hersh. (2) 66–70.

Powell, Anton, and Friedlander, Susan. See Friedlander, Susan, and Powell, Anton.

Rosenfeld, Azriel, and Melter, Robert A. Digital Geometry. (3) 69–72.

Rowe, David E. Interview with Dirk Jan Struik. (1) 14–26.

Shields, Allen. Years Ago. (1) 6–10; (2) 5–8; (3) 15–17; (4) 7–11.

Stillwell, John. Review of *Geometries and Groups*, by V. V. Nikulin and I. R. Shafarevich. (4) 63–67.

Stone, Marshall H. Reminiscences of Mathematics at Chicago. (3) 20–25.

Strichartz, Robert S. An International Language for Mathematics. (1) 12–13.

Sutner, Klaus. Linear Cellular Automata and the Garden-of-Eden. (2) 49–53.

Todd, John. Review of *Pi and the AGM. A study in analytic number theory and computational complexity*, by Jonathan M. Borwein and Peter B. Borwein. (3) 73–77.

Weintraub, Steven H. Mathematical Entertainments. (1) 53–55; (2) 31–32; (3) 26–28; (4) 48–49.

White, Brian. Some Recent Developments in Differential Geometry. (4) 41–47.

Wilson, Robin. Stamp Corner. (1) 72; (2) 72; (3) 80; (4) 71.

Zalcman, Lawrence. Mathematicians Sweep 1988 Wolf Prizes. (2) 39–48.

Zalcman, Lawrence. Review of *Darstellung und Begründung einiger neuerer Ergebnisse der Funktionentheorie (dritte, erweiterte Auflage)*, by Edmund Landau and Dieter Gaier. (4) 61–63.

Zalcman, Lawrence. Review of *Littlewood's Miscellany*, edited by Béla Bollobás. (1) 63–65.

Zdravkovska, Smilka. Listening to Igor Rostislavovich Shafarevich. (2) 16–28.

Reviews

Borst, Arno. *Das mittelalterliche Zahlenkampfspiel*. Reviewed by Benno Artmann. (3) 77–79.

Borwein, Jonathan M., and Borwein, Peter B. *Pi and AGM. A study in analytic number theory and computational complexity*. Reviewed by John Todd. (3) 73–77.

Davis, Philip J., and Hersh, Reuben. *Descartes' Dream: The World According to Mathematics*. Reviewed by Robert Osserman. (2) 66–70.

Gleick, James. *Chaos: Making a New Science*. Reviewed by John Franks. (1) 65–69.

Illmer, Detlef. *Rhythmomachia*. Reviewed by Benno Artmann. (3) 77–79.

Landau, Edmund, and Gaier, Dieter. *Darstellung und Begründung einiger neuerer Ergebnisse der Funktionentheorie (dritte, erweiterte Auflage)*. Reviewed by Lawrence Zalcman. (4) 61–63.

Nikulin, V. V., and Shafarevich, I. R. *Geometries and Groups*. Reviewed by John Stillwell. (4) 63–67.

Pólya, George. *The Polya Picture Album: Encounters of a Mathematician*, Reviewed by Lee Lorch. (2) 70–71.

Struik, Dirk J. *A Source Book in Mathematics, 1200–1800*. Reviewed by Craig G. Fraser. (4) 68–70.

The Mathematical Intelligencer Index

Volume 11

Authors

Artmann, Benno. Review of *Das mittelalterliche Zahlenkampfspiel*, by Arno Borst and *Rhythmomachia*, by Detlef Illmer. (3) 77–79.

Betsch, Gerhard. The Kepler Museum and Kepler Monument. (1) 36.

Boas, R. P. When is a C^∞ Function Analytic? (4) 34–37.

Bölling, Reinhard. A Birthday Present. (4) 20–25.

Browder, Felix E. Stone Age of Mathematics at the Midway. (3) 22–24.

Ciesielski, Krzysztof. How Good is Lebesgue Measure? (2) 54–58.

Coleman, A. J. The Greatest Mathematical Paper of All Time. (3) 29–38.

Dale, A. I. Thomas Bayes: A Memorial. (3) 18–19.

Davis, Chandler. Reviews. (1) 63–71; (2) 66–71; (3) 73–79; (4) 61–70.

Davitt, Richard M. William Marshall Bullitt and his Amazing Mathematical Collection. (4) 26–33.

DeTurck, Dennis. Sphere and Torus Music. (3) 40–41.

Devaney, Robert L. Film and Video as a Tool in Mathematical Research. (2) 33–38.

Dimitric, Radoslava, and Goldsmith, Brendan. Sir William Rowan Hamilton. (2) 29–30.

Effros, Edward G. Why the Circle is Connected: An Introduction to Quantized Topology. (1) 27–34.

Formanek, Edward. Polynomial Identities and the Cayley-Hamilton Theorem. (1) 37–39.

Franks, John. Comments on the Responses to my Review of *Chaos*. (3) 12–13.

Franks, John. Review of *Chaos: Making a New Science*, by James Gleick. (1) 65–69.

Fraser, Craig G. Review of *A Source Book in Mathematics, 1200–1800*, by Dirk J. Struik. (4) 68–70.

Friedlander, Susan, and Powell, Anton. The Mathematical Miller of Nottingham. (4) 38–40.

Gale, David. The Truth and Nothing But the Truth. (3) 62–67.

Glass, A. M. W. Existence Theorems in Mathematics. (1) 56–62.

Gleick, James. James Gleick Replies. (3) 8–9.

Goldsmith, Brendan, and Radoslava, Dimitric. See Dimitric, Radoslava, and Goldsmith, Brendan.

Gordon, Carolyn S. When You Can't Hear the Shape of a Manifold. (3) 39–47.

Hildebrandt, Stefan (Translated by A. Shenitzer). The Calculus of Variations Today. (4) 50–60.

Hirsch, Morris W. Chaos, Rigor, and Hype. (3) 6–8.

Huneke, Craig. An Algebraist Commuting in Berkeley. (1) 40–52.

Krantz, Steven G. Fractal Geometry. (4) 12–16.

Krantz, Steven G. Response to Mandelbrot's Rebuttal. (4)

Lorch, Lee. Review of *The Polya Picture Album: Encounters of a Mathematician*, by George Pólya. (2) 70–71.

Lorimer, Peter. Towards a 3-Dimensional Model of the 120-Cell. (3) 61.

Mac Lane, Saunders. Paradise Lost: The Troubled Government Support of Science. (2) 10–15.

Mandelbrot, Benoit B. Chaos, Bourbaki, and Poincaré. (3) 10–12.

Mandelbrot, Benoit B. Some "Facts" that Evaporate upon Examination. (4) 17–19.

Manin, Yu. I. Strings. (2) 59–65.

Mehrtens, H. (Translated by Victoria M. Kingsbury). The *Gleichschaltung* of Mathematical Societies in Nazi Germany. (3) 48–60.

Melter, Robert A., and Rosenfeld, Azriel. See Rosenfeld, Azriel, and Melter, Robert A.

Osserman, Robert. Review of *Descartes' Dream: The World According to Mathematics*, by Philip J. Davis and Reuben Hersh. (2) 66–70.

Powell, Anton, and Friedlander, Susan. See Friedlander, Susan, and Powell, Anton.

Rosenfeld, Azriel, and Melter, Robert A. Digital Geometry. (3) 69–72.

Rowe, David E. Interview with Dirk Jan Struik. (1) 14–26.

Shields, Allen. Years Ago. (1) 6–10; (2) 5–8; (3) 15–17; (4) 7–11.

Stillwell, John. Review of *Geometries and Groups*, by V. V. Nikulin and I. R. Shafarevich. (4) 63–67.

Stone, Marshall H. Reminiscences of Mathematics at Chicago. (3) 20–25.

Strichartz, Robert S. An International Language for Mathematics. (1) 12–13.

Sutner, Klaus. Linear Cellular Automata and the Garden-of-Eden. (2) 49–53.

Todd, John. Review of *Pi and the AGM. A study in analytic number theory and computational complexity*, by Jonathan M. Borwein and Peter B. Borwein. (3) 73–77.

Weintraub, Steven H. Mathematical Entertainments. (1) 53–55; (2) 31–32; (3) 26–28; (4) 48–49.

White, Brian. Some Recent Developments in Differential Geometry. (4) 41–47.

Wilson, Robin. Stamp Corner. (1) 72; (2) 72; (3) 80; (4) 71.

Zalcman, Lawrence. Mathematicians Sweep 1988 Wolf Prizes. (2) 39–48.

Zalcman, Lawrence. Review of *Darstellung und Begründung einiger neuerer Ergebnisse der Funktionentheorie (dritte, erweiterte Auflage)*, by Edmund Landau and Dieter Gaier. (4) 61–63.

Zalcman, Lawrence. Review of *Littlewood's Miscellany*, edited by Béla Bollobás. (1) 63–65.

Zdravkovska, Smilka. Listening to Igor Rostislavovich Shafarevich. (2) 16–28.

Reviews

Borst, Arno. *Das mittelalterliche Zahlenkampfspiel*. Reviewed by Benno Artmann. (3) 77–79.

Borwein, Jonathan M., and Borwein, Peter B. *Pi and AGM. A study in analytic number theory and computational complexity*. Reviewed by John Todd. (3) 73–77.

Davis, Philip J., and Hersh, Reuben. *Descartes' Dream: The World According to Mathematics*. Reviewed by Robert Osserman. (2) 66–70.

Gleick, James. *Chaos: Making a New Science*. Reviewed by John Franks. (1) 65–69.

Illmer, Detlef. *Rhythmomachia*. Reviewed by Benno Artmann. (3) 77–79.

Landau, Edmund, and Gaier, Dieter. *Darstellung und Begründung einiger neuerer Ergebnisse der Funktionentheorie (dritte, erweiterte Auflage)*. Reviewed by Lawrence Zalcman. (4) 61–63.

Nikulin, V. V., and Shafarevich, I. R. *Geometries and Groups*. Reviewed by John Stillwell. (4) 63–67.

Pólya, George. *The Polya Picture Album: Encounters of a Mathematician*, Reviewed by Lee Lorch. (2) 70–71.

Struik, Dirk J. *A Source Book in Mathematics, 1200–1800*. Reviewed by Craig G. Fraser. (4) 68–70.